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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/583,739

06/20/2006

Satoshi Ito

2006_0987A

8611

52349 7590 11/13/2009
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EXAMINER

ABBASZADEH, JAWEED A

ART UNIT

PAPER NUMBER

2115

MAIL DATE

DELIVERY MODE

11/13/2009

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/583,739	Applicant(s) ITO ET AL.	
	Examiner JAWEED A. ABBASZADEH	Art Unit 2115	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 20 June 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-14 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-14 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 20 June 2006 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☒ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>6/20/06, 9/16/08</u> | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claims 1-14 are presented for examination.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-13 are rejected under 35 U.S.C. 102(e) as being anticipated by Powers et al. (hereinafter 'Powers') US 7,424,632.

As to claim 1, Powers teaches a communication device for communicating via a network to provide a service to another communication device on the network [col. 6, lines 15-16], said device comprising:

a main processing unit operable to process a main service to be provided to the other communication device [col. 7, lines 4-7];

a communication processing unit operable to transmit and receive request information and response information corresponding to the request information with the other communication device via the network [col. 7, lines 28-36; and

a power supply unit operable to stop supplying power to said main processing unit in a state of being able to supply the power again [col. 6, lines 41-52] and to supply the power to said communication processing unit [col. 7, lines 16-17],

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wherein said communication processing unit comprises:

a response possibility determining unit operable to determine whether or not said communication processing unit is individually able to respond to the request information received from the other communication device [col. 7, lines 4-8];

a response unit operable to create the response information and to transmit the response information to the other communication device, when the determination indicates that the response is possible [col. 7, lines 28-31]; and

a power supply controlling unit operable to start the main processing unit, to control said power supply unit, and to supply the power to said main processing unit, when the determination indicates that the response is not possible [col. 7, lines 42-46—
It is inherent that if the computer is chosen to respond, the low power coprocessor is unable to respond because otherwise the low power coprocessor would be chosen to save power].

As to claim 2, Powers teaches said response unit is operable to pass over the received request information to said main processing unit when the determination indicates that the response is not possible, and

said main processing unit is operable to perform the processing of responding to the request information that has been passed over [col. 7, lines 4-10].

As to claim 3, Powers teaches when said main processing unit completes the processing of responding to the request information that has been passed over, said main processing unit is operable to control said power supply unit to stop supplying the power to said main processing unit [col. 7, lines 50-54].

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As to claim 4, Powers teaches said response possibility determining unit is operable to determine that the response is not possible when the received request information is:

(1) a control request which requires control for another communication device to receive the service provided by said communication device; or

(2) a status inquiry request which inquires about a status of a service of said communication device [col. 7, lines 4-10].

As to claim 5, Powers teaches said power supply controlling unit is operable to control said power supply unit to stop supplying the power to said main processing unit when the request information determined not to be possible to respond is not received for a predetermined period [col. 6, lines 41-43].

As to claim 6, Powers teaches said communication processing unit further comprises an address management unit operable to store information indicating an address of said communication device and a term of validity of the address, and, when a period until expiration of said term of validity turns into predetermined time, to start said main processing unit via said power supply controlling unit to supply the power to said main processing unit, and to cause said main processing unit to execute an update processing of the address [col. 7, lines 30-33].

As to claim 7, Powers teaches said power supply unit is configured as one power supply unit including a main-power supply unit operable to supply the power to said main processing unit [Fig. 4, 430] and a communication power supply unit operable to supply the power to said communication processing unit [Fig. 4, 450], and

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said power supply control unit is operable to control the power supply to said main processing unit in accordance with a direction from said communication processing unit or said main processing unit [col. 7, lines 4-8].

As to claim 8, Powers teaches said power supply unit includes:

a main-power supply unit operable to supply the power to the main processing unit [Fig. 4, 430]; and

a communication power supply unit operable to supply the power to said communication processing unit [Fig. 4, 450],

wherein said power supply controlling unit is operable to control the power supply to said main processing unit by controlling said main-power supply unit in accordance with a direction from said communication processing unit or said main processing unit [col. 7, lines 4-8].

As to claim 9, Powers teaches said response possibility determining unit is operable to determine the possibility of response by said communication processing unit based on a port number or URL included in the received request information [col. 8, lines 5-19].

As to claim 10, Powers teaches said response possibility determining unit is operable to determine that the response is possible when the received request information is:

(1) a discovery request inquiring with the other communication devices whether the communication device is present,

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(2) an acquisition request of description information, indicating at least one of a type, a name, an ID, and the provided service of said communication device; or

(3) both (1) and (2) [col. 7, lines 28-31].

As to claim 11, Powers teaches said communication processing unit further includes

an alive packet transmitting unit which connects to the network every predetermined time, indicating that said communication device is in a state where the service can be provided, and transmits an alive packet including at least address information of said communication device [col. 7, lines 28-31].

As to claim 12, Powers teaches said communication processing unit further includes

an address management unit operable to store information indicating an address of said communication device and a term of validity of the address, and, when the period until expiration of the term of validity has reached a predetermined time, performs update processing on the address [col. 7, lines 28-31].

As to claim 13, Powers teaches this claim according to the reasoning set forth in claim 1 supra.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claim 14 is rejected under 35 U.S.C. 103(a) as being unpatentable over Powers et al. (hereinafter 'Powers') US 7,424,632.

As to claim 14, Powers teaches this claim according to the reasoning set forth in claim 1. Furthermore, Powers does not specifically mention that a communication device is integrated as a chip. It would have been obvious to one of ordinary skill in the art to have integrated a communication as a chip because the components that Powers teaches are chip level and could easily be integrated on one chip.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to JAWEED A. ABBASZADEH whose telephone number is (571)270-1640. The examiner can normally be reached on Mon-Fri: 7:30 a.m.-5:00 p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas C. Lee can be reached on (571) 272-3667. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Jaweed A Abbaszadeh/
Examiner, Art Unit 2115
11/6/2009

/Thomas Lee/
Supervisory Patent Examiner, Art Unit 2115